

EXECUTIVE RECOMMENDATION

Blue Plains WWTP: Biosolids Mgmt PT2 - No. 954812

Category: **WSSC**
 Agency: **W.S.S.C.**
 Planning Area: **Countywide**
 Relocation Impact:

Date Last Modified: **December 30, 2004**
 Previous PDF Page Number: **22-7-(05 App)**
 Required Adequate Public Facility: **No**

EXPENDITURE SCHEDULE (\$000)

Cost Element	Thru		Est. 6 Year		Beyond						
	Total	FY04	FY05	Total	FY06	FY07	FY08	FY09	FY10	FY11	6 Years
Planning, Design and Supervision	39,167	19,125	1,935	17,951	1,417	1,921	4,336	5,390	3,182	1,705	156
Construction	181,660	39,251	13,749	127,554	10,069	13,652	30,809	38,297	22,610	12,117	1,106
Other	1,625	0	157	1,455	115	156	351	437	258	138	13
Total	222,452	58,376	15,841	146,960	11,601	15,729	35,496	44,124	26,050	13,960	1,275

FUNDING SCHEDULE (\$000)

Municipal (WSSC only)	12,211	3,204	870	8,067	637	863	1,949	2,422	1,430	766	70
System Development Charge	37,817	9,924	2,693	24,983	1,972	2,674	6,034	7,501	4,429	2,373	217
WSSC Bonds	172,424	45,248	12,278	113,910	8,992	12,192	27,513	34,201	20,191	10,821	988

COMPARISON (\$000)

	Total	Thru		Est. 6 Year		Beyond						
		FY04	FY05	Total	FY06	FY07	FY08	FY09	FY10	FY11	6 Years	Approp. Request
Current Approved	191,529	58,444	15,677	117,100	28,587	47,823	28,852	11,744	94	0	308	0
Agency Request	253,270	58,623	17,538	176,926	21,395	61,160	62,588	30,336	1,321	126	183	21,395
Recommended	222,452	58,376	15,841	146,960	11,601	15,729	35,496	44,124	26,050	13,960	1,275	11,601
CHANGE				TOTAL	%	6-YEAR	%			APPROP.		
Agency Request vs Approved				61,741	32.2%	59,826	51.1%			21,395	0.0%	
Recommended vs Approved				30,923	16.1%	29,860	25.5%			11,601	0.0%	
Recommended vs Request				(30,818)	(12.2%)	(29,966)	(16.9%)			(9,794)	(45.8%)	

Recommendation

APPROVE WITH MODIFICATIONS

Comments

The project includes funding for WSSC's share of the Blue Plains Advanced Wastewater Treatment Plant capital projects. The Executive recommends changes in the project estimates to align with amounts proposed by the District of Columbia Water and Sewer Authority (WASA).

A. Identification and Coding Information			2. Date: October 1, 2004	7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.
1. Project Number	Agency Number	Update Code	Revised:	
954812	S-22.07	Change		
3. Project Name: Blue Plains WWTP: Biosolids Management, Part 2			5. Agency: WSSC	
4. Program: Sanitation			6. Planning Area: Bi-County	

B. Expenditure Schedule (000's)											
Cost Elements	(8) Total	(9) Thru FY '04	(10) Estimate FY '05	(11) Total 6 Years	(12) Year 1 FY '06	(13) Year 2 FY '07	(14) Year 3 FY '08	(15) Year 4 FY '09	(16) Year 5 FY '10	(17) Year 6 FY '11	(18) Beyond 6 Years
Planning, Design & Supervision	41,260	19,149	6,836	15,094	3,095	3,605	3,920	3,171	1,178	125	181
Land											
Site Improvements & Utilities											
Construction	210,082	39,474	10,528	160,080	18,088	56,949	58,048	26,865	130		
Other	1,928		174	1,752	212	606	620	300	13	1	2
Total	253,270	58,623	17,538	176,926	21,395	61,160	62,588	30,336	1,321	126	183

C. Funding Schedule (000's)											
WSSC Bonds	196,312	45,439	13,594	137,137	16,584	47,406	48,512	23,514	1,023	98	142
SDC	43,055	9,966	2,981	30,077	3,637	10,397	10,640	5,157	225	21	31
City of Rockville	13,903	3,218	963	9,712	1,174	3,357	3,436	1,665	73	7	10

D. Description & Justification

DESCRIPTION

This project includes funding for WSSC's share of the Blue Plains Wastewater Treatment Plant biosolids handling. The project scope includes only those facilities for which construction began after June 30, 1993. Major facilities include: rehabilitation of gravity thickeners; egg-shaped digestion facilities; centrifuge thickener facilities; and additional dewatering facilities. All facilities are sized at 370 MGD.

Service Area Bi-County Area

Capacity 370 MGD

JUSTIFICATION

Plans & Studies

The Blue Plains Intermunicipal Agreement of 1985; the WASA Master Plan (1998); EPMC IV Facility Plan (CH2MHILL, 2001); and the DC-WASA Proposed FY 2003 - FY 2012 Capital Improvement Program (10/16/03).

Specific Data

This project is needed to implement a set of facilities which will provide a permanent biosolids management program for Blue Plains Sludge.

Cost Change

The cost increase reflects the latest estimates from DCWASA for the new Egg Shaped Digesters and the addition of Phase II costs for the Gravity Thickener Upgrade project.

STATUS Not Applicable

OTHER

The project scope has remained the same.

Project History: This project was first included in the FY95 CIP and includes those Blue Plains solids handling sub-projects where construction commenced after June 30, 1993. As such, these sub-projects are SDC eligible. The project costs shown above are derived from the DCWASA Capital & Operating Budget 10-year forecast of spending and WASA's latest project management data and fully reflect WASA's current cost estimates and expenditure schedules. Given the open-ended nature of the Blue Plains projects, this PDF may not fully reflect the total project costs. These projects are in fact expected to continue indefinitely. Prior expenditures and funding shown in Column 9 are post-Intermunicipal Agreement. The funding schedule also indicates the calculated Rockville share of the cost.

E. Annual Operating Budget Impact (000's)				FY of Impact
Program Costs	Staff	.....	.....
	Other	.....	.....
Facility Costs	Maintenance	.....	.....
	Debt Service	.....	15257	.....
Total Costs.....			15257	.....
Impact on Water or Sewer Rate.....			33¢	.....

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 95
Date First Approved	FY 95
Initial Cost Estimate	77,296
Cost Estimate Last FY	191,529
Present Cost Estimate	253,270
Approved Request, Last FY	15,677
Total Expenditures & Encumbrances	58,623
Approval Request FY 06	21,395
Supplemental Approval Request Current FY (05)	

G. Status Information

Land Status:	Not applicable
% Project Completion:	On-Going
Est. Completion Date:	On-Going

H. Map Map Reference Code:

MAP NOT AVAILABLE

AGENCY REQUEST

D. DESCRIPTION & JUSTIFICATION (CONT.)

Agency Number: S - 22.07

Project Name: Blue Plains WWTP: Biosolids Management, Part 2

COORDINATION

District of Columbia Water & Sewer Authority (responsible for design and construction).

NOTE This project supports 17% Growth and 83% System Improvement.